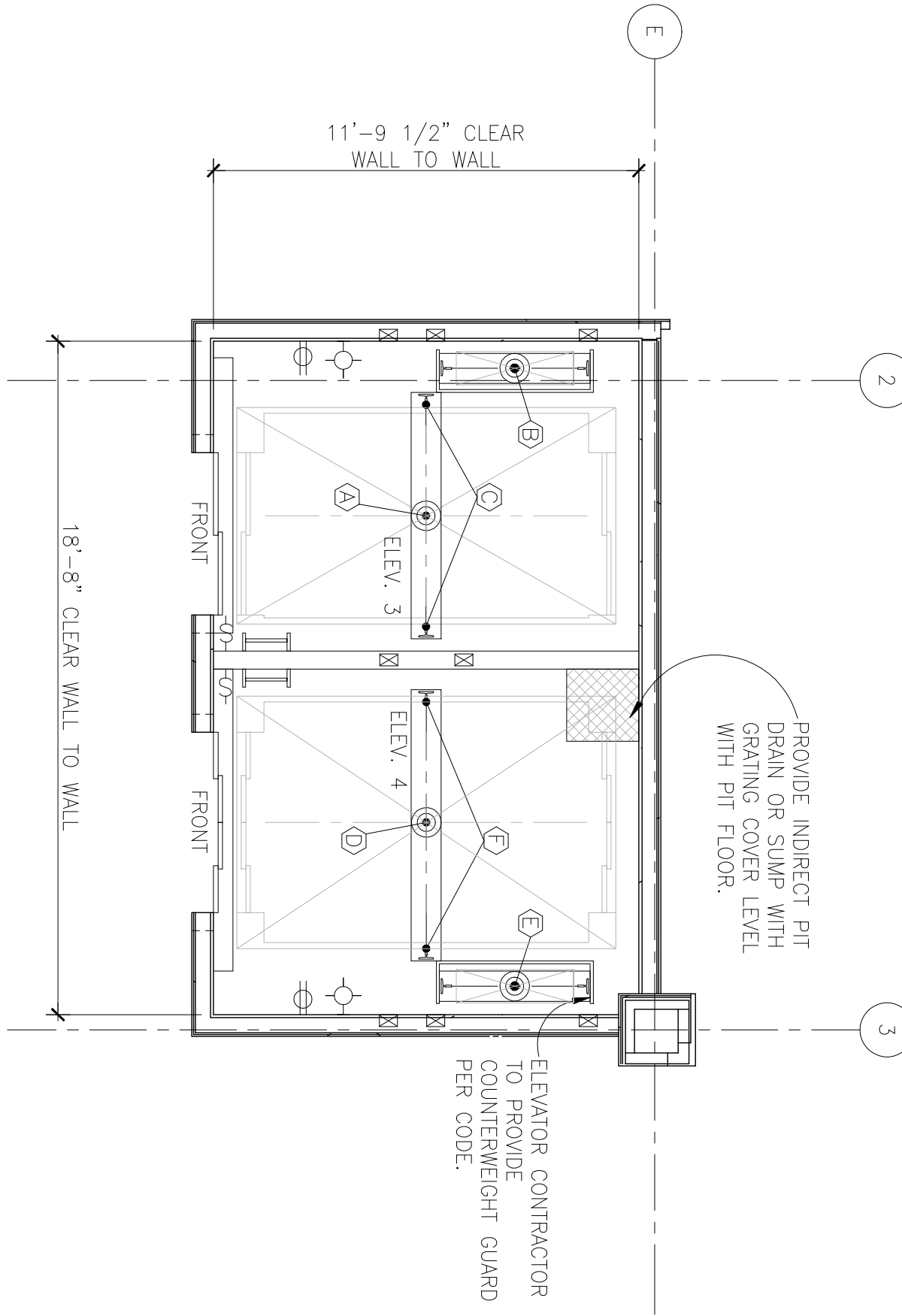
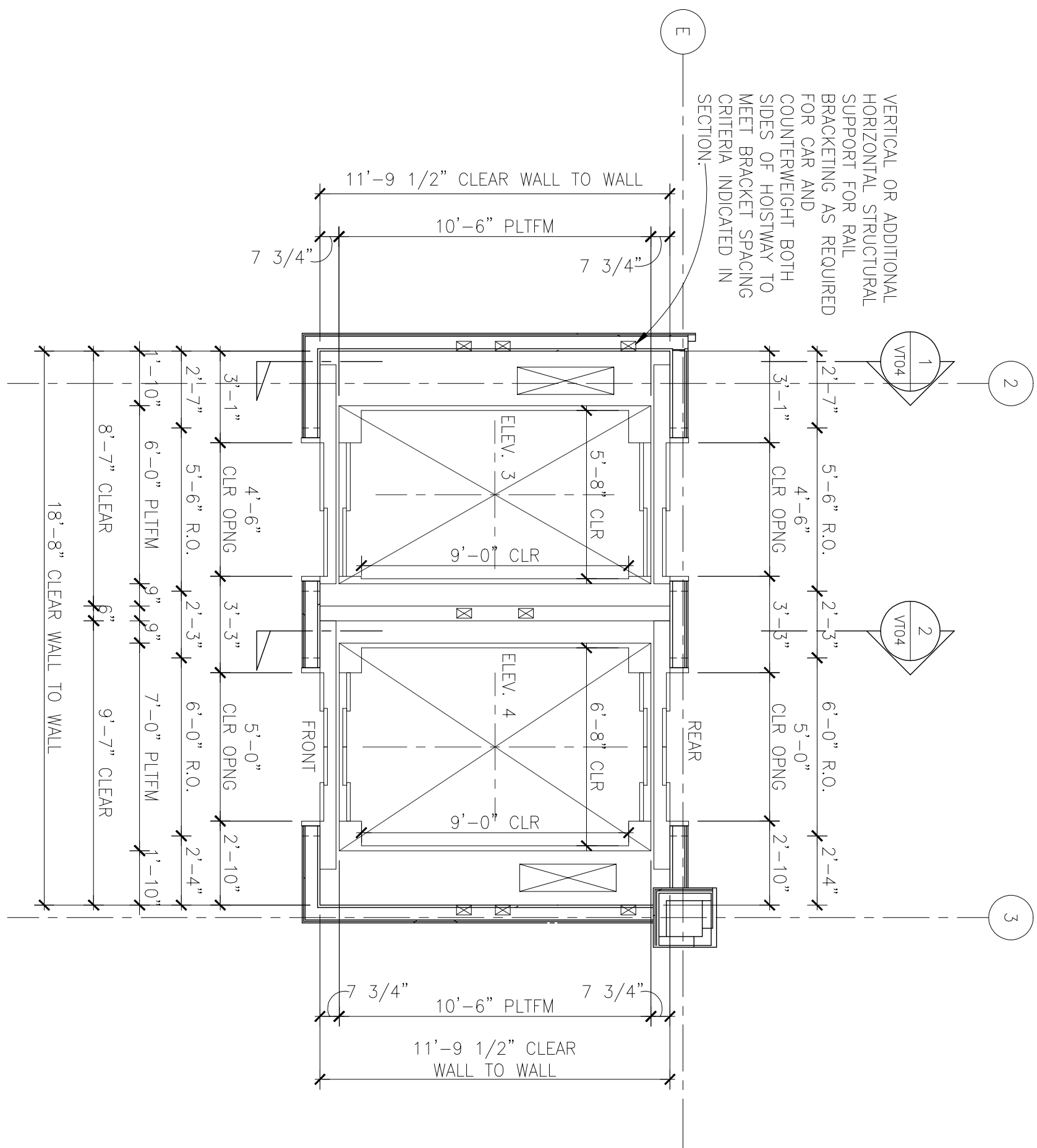


PIT REACTION TABLE	
DUTY ELEV. 3: 5000# @ 350 FPM	
KEY	REACTION
Ⓐ	51.9 K
Ⓑ	48.6 K
Ⓒ	31.9 K EACH (SEE CAR R3 BALANCE)
DUTY ELEV. 4: 6500# @ 350 FPM	
KEY	REACTION
Ⓓ	63.6 K
Ⓔ	60.1 K
Ⓕ	42.1 K EACH (SEE CAR R3 BALANCE)

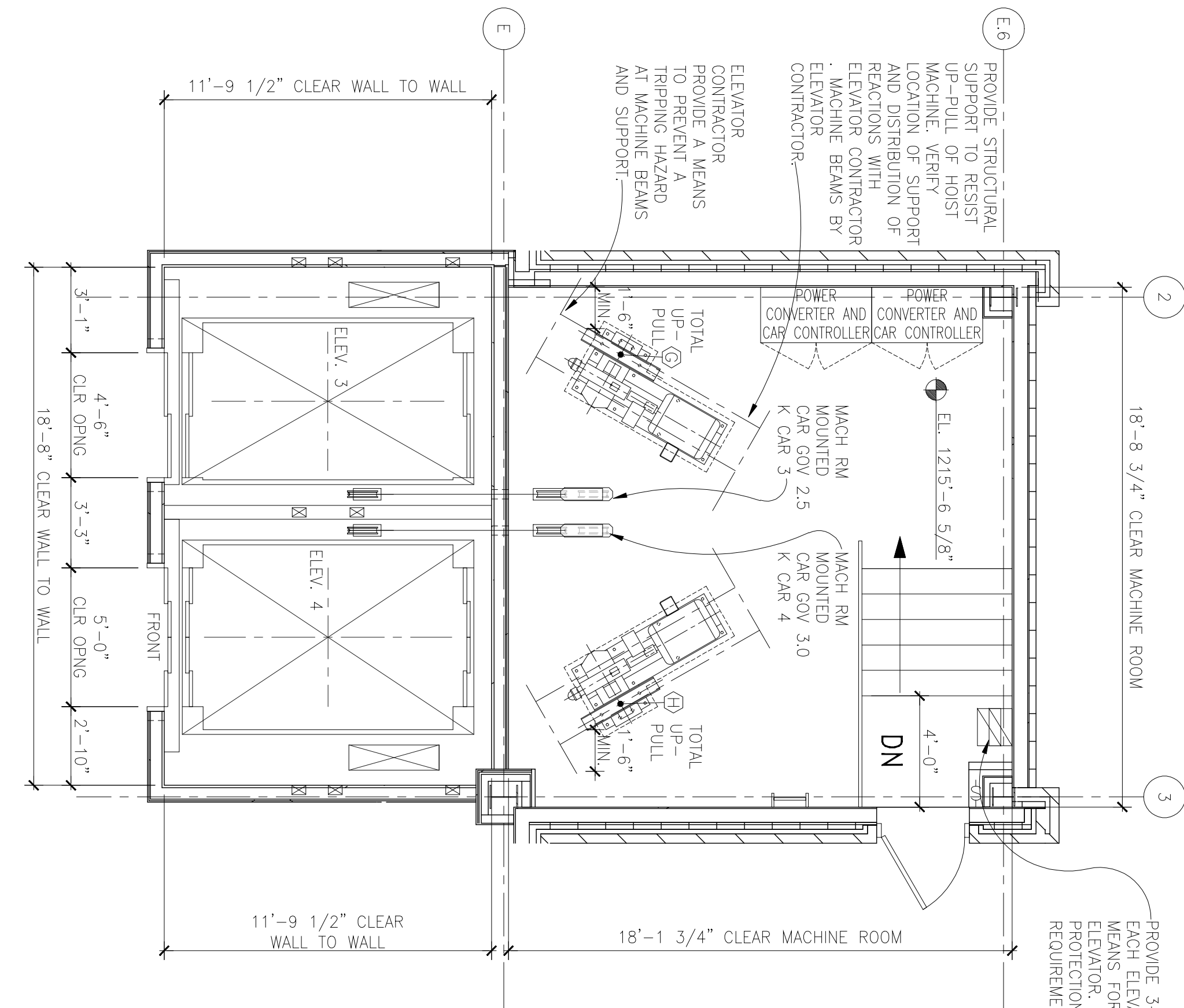
REACTIONS DO NOT OCCUR SIMULTANEOUSLY  
REACTIONS HAVE BEEN DOUBLED FOR IMPACT  
PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR  
PROVIDE PIT ACCESS (ADDER(S) OR DOOR(S), LIGHT SWITCHES), LIGHT(S), AND GFCI-PROTECTED UTILITY OUTLET(S)  
COORDINATE LIGHT FIXTURES AND UTILITY OUTLETS LOCATION WITH ELEVATOR CONTRACTOR  
PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND R3 WALL FORCE REACTIONS



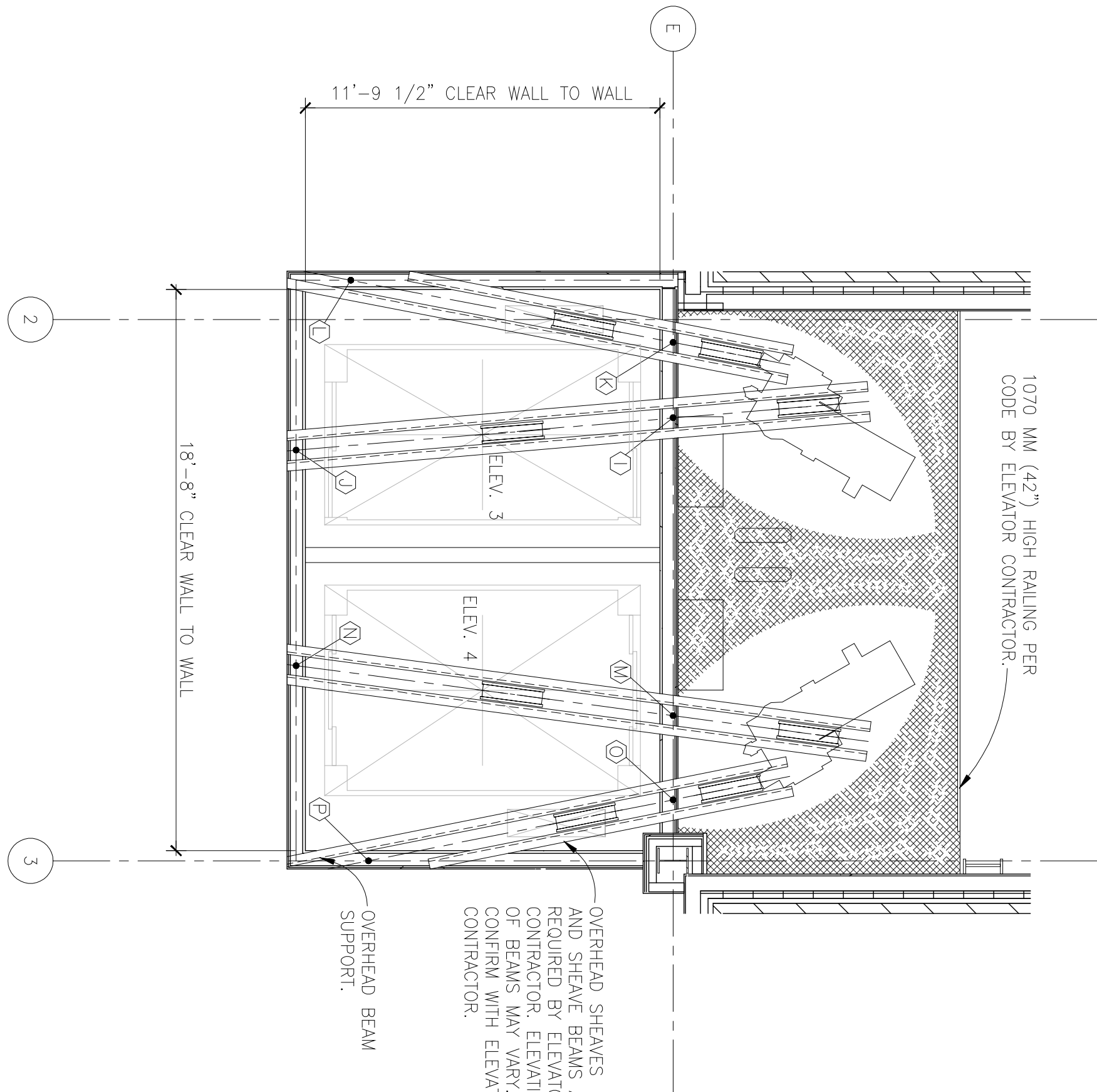
PIT PLAN  
ELEVATORS 3 AND 4  
VT03 SCALE: 1/4" = 1'-0"  
DUTY ELEV. 3: 5000# @ 350 FPM  
DUTY ELEV. 4: 6500# @ 350 FPM



HOISTWAY PLAN  
ELEVATORS 3 AND 4  
VT03 SCALE: 1/4" = 1'-0"  
DUTY ELEV. 3: 5000# @ 350 FPM  
DUTY ELEV. 4: 6500# @ 350 FPM



ROOF LEVEL MACHINE ROOM AND  
HOISTWAY PLAN ELEVATORS 3 AND 4  
VT03 SCALE: 1/4" = 1'-0"  
DUTY ELEV. 3: 5000# @ 350 FPM  
DUTY ELEV. 4: 6500# @ 350 FPM



OVERHEAD PLAN  
ELEVATORS 3 AND 4  
VT03 SCALE: 1/4" = 1'-0"  
DUTY ELEV. 3: 5000# @ 350 FPM  
DUTY ELEV. 4: 6500# @ 350 FPM

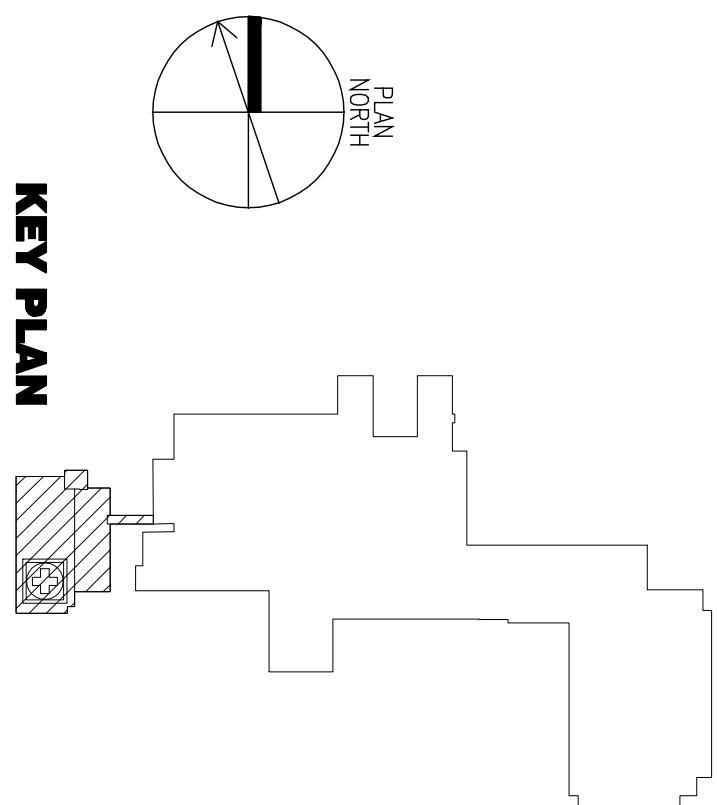
MACH RM REACTION TABLE	
DUTY: ELEV. 3: 5000# @ 350 FPM	
KEY	REACTION
Ⓐ	52.3 K TOTAL UP-PULL
Ⓑ	DUTY: ELEV. 4: 6500# @ 350 FPM
Ⓒ	REACTION
Ⓓ	70.9 K TOTAL UP-PULL

REACTIONS HAVE BEEN DOUBLED FOR IMPACT  
REACTIONS DO NOT INCLUDE DEAD OR LIVE LOADS OF MACHINE ROOM FLOOR  
PROVIDE SELF-CLOSING, SELF-LOCKING MACHINE ROOM ACCESS DOOR  
PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT MACHINE ROOM FLOOR  
PROVIDE LIGHTS, LIGHT SWITCHES AND GFCI-PROTECTED UTILITY OUTLETS. COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.  
MACHINE ROOM HEAT EMISSION 81,500 BTUH TOTAL

PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED  
DASHED LINE INDICATES HOISTWAY BELOW  
FOR EQUIPMENT IN THE MACHINE ROOM, A CLEARANCE OF NOT LESS THAN 450 MM (18") SHALL BE PROVIDED IN THE DIRECTION(S) REQUIRED FOR MAINTENANCE, AND A CLEAR PATH OF NOT LESS THAN 450 MM (18") SHALL BE PROVIDED TO ALL COMPONENTS THAT REQUIRE MAINTENANCE  
IF A STRUCTURAL CONCRETE SLAB IS USED TO SUPPORT THE HOIST MACHINE(S), THE STRUCTURAL ENGINEER SHALL COORDINATE THE SLAB DESIGN AND ASSOCIATED DETAILS WITH THE DESIGNATED ELEVATOR CONTRACTOR. THE SLAB DESIGN SHALL MEET ALL APPLICABLE REQUIREMENTS OF ASME A17.1.

OVERHEAD REACTION TABLE	
DUTY: ELEV. 3: 5000# @ 350 FPM	
KEY	REACTION
Ⓐ	63.0 K
Ⓑ	3.4 K
Ⓒ	51.4 K
Ⓓ	3.3 K
DUTY: ELEV. 4: 6500# @ 350 FPM	
KEY	REACTION
Ⓔ	83.4 K
Ⓕ	3.4 K
Ⓖ	69.0 K
Ⓗ	3.6 K

REACTIONS HAVE BEEN DOUBLED FOR IMPACT  
PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED  
PROVIDE LADDER AND BAR-TYPE FLOOR GRATING AND STAIRS TO ACCESS OVERHEAD BEAMS. GRATING SHALL REFLECT A 20 MM (0.8") Ø BALL GRATING SHALL SUSTAIN A LOAD OF 1000 N (225#) ON ANY 2000 SQ. MM (3 SQ. INCH) AREA AND A LIVE LOAD OF NOT LESS THAN 6 KPA (125# PER SF) BY ELEVATOR CONTRACTOR.  
PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT OVERHEAD GRATING



FOR CONSTRUCTION  
FULLY SPRINKLERED

Revisions	Date

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**Project Title**  
**PLANS ELEVATORS 3 AND 4**

**Approved Project Director**

**Project Title**  
**VA CARES CONSOLIDATION  
VAMC, PITTSBURGH, PA  
RESEARCH OFFICE BLDG.**

**Location**  
**VAPHS UNIVERSITY DRIVE**

**Date**  
**08-18-10**

**Checked**  
**SM**

**Drawn**  
**BD**

**Dwg. of**

**Project Number**  
**646C02500R**

**Building Number**  
**30**

**Drawing Number**  
**VT03**

**Office of Facilities Management**  
Department of Veterans Affairs